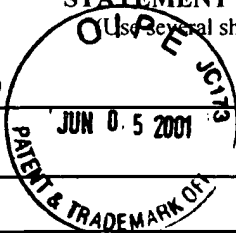


SUBSTITUTE FORM PTO-1449 (MODIFIED) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: 8500-0258	SERIAL NO.: 09/780,990
	APPLICANT: Richard H. PETERS et al. # 4			
	FILING DATE: February 9, 2001		GROUP: 1614 1616	



U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SCB	AA	6281205 Ser. No. 09/220,408	—	Tanabe et al.			12/24/98
	AB	6,054,446	—	Tanabe et al.	514	176	

FOREIGN PATENT DOCUMENT								
EXAMINER INITIALS	CITE NO.	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SCB	AC	WO 99/33859	6/8/99	PCT				

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS		
EXAMINER INITIALS	CITE NO.	INCLUDE NAME OF AUTHOR, TITLE OF ARTICLE (IF APPROPRIATE), TITLE OF PUBLICATION, DATE, PAGE(S), VOLUME-ISSUE NUMBER(S), PUBLISHER, AND PLACE OF PUBLICATION
SCB	AD	Peters et al. (1989), "17-Desoxy Estrogen Analogs," <i>J. Med. Chem.</i> <u>32</u> (7):1642-1652.
	AE	Plate et al. (2000), "Synthesis of (3 α , 7 β , 17 α)-7-Methyl-19-Norpregn-5(10)-En-20-Yne-3,7,17-Triol, a Metabolite of ORG OD14, and Its 7-Epimer," <i>Steroids</i> <u>65</u> :497-504.

EXAMINER SIGNATURE: SABHA N. QAZI	DATE CONSIDERED: 7/31/02
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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1614 1616

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SCB	AF	2,883,402	4/21/59	Magerlein et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	CITE NO.	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AG	EP 0007515	2/6/80	Europe				X
	AH	FR 2332759	6/24/97	France				X
SCB	AI	JP 43021058 (abstract only)	5/30/65	Japan			X (abstract only)	
	AJ	WO 99/33859	7/8/99	PCT				

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	CITE NO.	INCLUDE NAME OF AUTHOR, TITLE OF ARTICLE (IF APPROPRIATE), TITLE OF PUBLICATION, DATE, PAGE(S), VOLUME-ISSUE NUMBER(S), PUBLISHER, AND PLACE OF PUBLICATION
	AK *	Annen et al. (1978), "Eine Neuartige Einfache Dreiring-Synthese," <i>Chem. Ber.</i> <u>111</u> (9):3094-3104.
	AL	Kaneko et al. (1969), "Carbalkoxymethylene Steroids," <i>Chemical Abstracts</i> <u>70</u> (19), Abstract No. 88104r.
SCB	AM	Magerlein et al. (1958), "Preparation and Reactions of 11-Substituted 1,3,5(10)-Estratrienes. I. 11-Oxygenated Estrones and Estradiols," <i>Journal of the American Chemical Society</i> <u>80</u> :2220-2225.
	AN	Pasman et al. (1982), "Photoinduced Long-Range Electron Transfer in Rigid Bichromophoric Molecules," <i>Journal of the Royal Netherlands Chemical Society</i> <u>101</u> (10):363-364.
	AO	Sandoval et al. (1955), "Steroids. LCI. Synthesis of 19-Nor-Desoxycorticosterone, a Potent Mineralocorticoid Hormone," <i>Journal of the American Chemical Society</i> <u>77</u> :148-151.

* No English abs. or translation.

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1614 1616INFORMATION DISCLOSURE
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AP

Sih et al. (1968), "Mechanisms of Steroid Oxidation by Microorganisms. XIII. C22 Acid Intermediates in the Degradation of the Cholesterol Side Chain," *Biochemistry* 7(2):796-807.

AQ

Tedesco et al. (1997), "An Expeditious Route to 7 α -Substituted Estradiol Derivatives," *Tetrahedron Letters* 38(46):7997-8000.

AR

Wicha et al. (1977), "Synthesis of Pregn-17/20/-en-21-oic Acid Derivatives. The Wittig-Horner Reaction on Steroidal 17-Ketones," *Synthetic Communications* 7(3):215-222.

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SAB	AS	2,925,427	2/16/60	Djerassi et al.	260	397.4	
	AT	3,065,226	11/20/62	Ringold et al.	260	239.55	
	AU	3,194,821	7/13/65	Freiberg et al.	260	397.1	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	CITE NO.	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AV	FR2190427	2-1-74	France				X
	* AW	/ JP43021058	5/30/65	Japan			X (abstract)	
	* AX	JP54112850 A	9/4/79	Japan			X (abstract)	
	* AY	JP54117454 A	9/12/79	Japan			X (abstract)	
	* AZ	JP54117455 A	9/12/79	Japan			X (abstract)	
	* BA	JP54117456 A	9/12/79	Japan			X (abstract)	
	BB	GB1277265	6/7/72	United Kingdom				

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS

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	BC	Bolt et al. (1971), "The 6.alpha.-and 6.beta.-Methyl Steroids in the 19-nor Series," <i>Recl. Trav. Chim. Pays-Bas</i> 90(8):849-60 (abstract only).
	BD	Fennell et al. (1992), "Effects of Androgen Testosterone 5-Alpha Dihydrotestosterone 19 Nortestosterone Administration on Growth in Turkeys," <i>Poultry Science</i> 71(3):539-547 (abstract only).
	BE	Gaillard (1991), "Equine Testicular Aromatase Substrates Specificity and Kinetic Characteristics," <i>Comparative Biochemistry and Physiology B Comparative Biochemistry</i> 100(1):107-116 (abstract only).
	BF	Johnson (1972), "6,6-Difluoro-19-Norprogesterone," <i>Journal of Medicinal Chemistry</i> 15(7):784-785.
	BG	Krubiner et al. (1966), "The Conversion of 17-Keto Steroids to 20-Olygenated Steroids. A Facile Synthesis of 19-Norprogesterone," <i>Journal of Organic Chemistry</i> 31(1):24-26.
	BH	Skaddan et al. (1999), "Synthesis and Binding Affinities of Novel Re-Containing 7 α -Substituted Estradiol Complexes: Models for Breast Cancer Imaging Agents," <i>J. Org. Chem.</i> 64(22):8108-8121.
	BI	Sundaram et al. (1995), "Different Patterns of Metabolism Determine the Relative Anabolic Activity of 19-Norandrogens," <i>Journal of Steroid Biochemistry and Molecular Biology</i> 53(1-6):253-257 (abstract only).

* English abstract considered

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